	Application No.	Applicant(s)	
	09/992,084	JIANG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Daniel S. Metzmaier	1712	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>amendments file 2/4/2005 and the interview of 2/17/2005</u> .			
2. The allowed claim(s) is/are <u>30-41 and 51-60</u> .			
3. The drawings filed on 10 September 2004 are accepted by the Examiner.			
 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No		tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply (ENT of this application.	complying with the re	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or Nation is deficient.	OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawin ne header according to 37 CFR 1.121(c	gs in the front (not the	back) of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT INFORMATION. 	Sit of BIOLOGICAL MATERIAL IN FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. I AL MATERIAL.	Note the
Attachment(s) 1. Notice of References Cited (PTO-892)	F □ Nation of Informal □	otant Application (DTC	0.450)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	5. Notice of Informal Pa		J-152)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	6. ⊠ Interview Summary Paper No./Mail Dat 8), 7. ⊠ Examiner's Amendm	e <u>2/17/05</u> .	•
Paper No./Mail Date	_		
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	nt of Reasons for Allo	wance
of Biological Material	9. Other		
•			

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EXAMINER'S AMENDMENT

Claims 30-41 and 51-60 are allowed.

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Marcella D. Watkins on February 17, 2005.

The application has been amended as follows:

The amendment to the claims begins on page 3 of this paper.

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 -- 9 (cancelled).

- 10. (Canceled)
- 11. (Canceled)
- 12-15. (Canceled)
- 16-17. (Canceled)
- 18-29. (Canceled).
- 30. (Currently amended) A method for preparing a second-generation colloid comprising the steps of:
 - (a) providing a colloidal template;
 - (b) infiltrating said colloidal template with polymerizable components;
 - (c) polymerizing said polymerizable components;
 - (d) selectively removing said colloidal template to yield a porous polymer;
 - (e) heating said porous polymer above its glass transition temperature;
 - (f) deforming said porous polymer such that said porous polymer includes nonspherical pores;
 - (g) cooling said porous polymer below its glass transition temperature;
 - (h) depositing a material into the non-spherical pores of said porous polymer so as to form said material into ellipsoidal particles having an aspect ratio between 1.47 and 5.0; and
 - (i) selectively removing said porous polymer to form a second-generation colloid.
- 31. (Original) The method according to claim 30 wherein said colloidal template is an ordered, monodisperse colloid; said porous polymer is an ordered, monodisperse macroporous polymer; and said second-generation colloid is an ordered, monodisperse colloid.

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32. (Original) The method according to claim 31 wherein said second-generation colloid comprises a ceramic material.

- 33. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of alumina, titania and zirconia.
- 34. (Original) The method according to claim 31 wherein said second-generation colloid comprises an inorganic salt.
- 35. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of cadmium sulfide and silver chloride.
- 36. (Original) The method according to claim 31 wherein said second-generation colloid comprises a metal.
- 37. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of nickel and gold.
- 38. (Original) The method according to claim 31 wherein said second-generation colloid comprises a polymer.
- 39. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of poly(p-phenylene vinylene) and polypyrrole.
- 40. (Original) The method according to claim 31 wherein said porous polymer comprises a material selected from the group consisting of poly(methyl methacrylate) and polystyrene.
- 41. (Previously presented) The method according to claim 31 wherein said second-generation colloid comprises oblate particles.
- 42. (Canceled) The method according to claim 31, further comprising the step of deforming said porous polymer so that said second generation colloid comprises ellipsoidal particles.
- 43. (Cancelled).
- 44. (Canceled)
- 45. (Canceled)
- 46. (Canceled)

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47-50. (Canceled)

51. (New) The method according to claim 30 wherein said second-generation colloid comprises a ceramic material.

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- 52. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of alumina, titania and zirconia.
- 53. (New) The method according to claim 30 wherein said second-generation colloid comprises an inorganic salt.
- 54. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of cadmium sulfide and silver chloride.
- 55. (New) The method according to claim 30 wherein said second-generation colloid comprises a metal.
- 56. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of nickel and gold.
- 57. (New) The method according to claim 30 wherein said second-generation colloid comprises a polymer.
- 58. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of poly(p-phenylene vinylene) and polypyrrole.
- 59. (New) The method according to claim 30 wherein said porous polymer comprises a material selected from the group consisting of poly(methyl methacrylate) and polystyrene.
- 60. (New) The method according to claim 30 wherein said second-generation colloid comprises oblate particles.

Reasons for allowance

2. The following is an examiner's statement of reasons for allowance: attention is directed to paragraph number 9 of the Final Office Action mailed December 1, 2004. The present examiner's amendments cancel the composition claims in favor of the allowance of the method claims indicated as allowable as noted above. The amendment to claim 30 is made to make the claims read more clearly and provide explicit antecedent basis for "said second-generation colloid". The cancellation of claim 42 is made to remove an issue of improper dependency under 37 CFR 1.75(c), as failing to further limit the subject matter of a previous claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel S. Metzmaier whose telephone number is (571) 272-1089. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy P. Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Daniel S. Metzmaier

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DSM